

Datasheet for ABIN7557693
SLC6A3 Protein (AA 1-619) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC6A3
Protein Characteristics:	AA 1-619
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC6A3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc6a3 Protein expressed in mammalian cells.
Sequence:	<p>MSKSKCSVGP MSSVVAPAKE PNAVGPREVE LILVKEQNGV QLTNSTLINP PQTPVEVQER ETWSKKIDFL LSVIGFAVDL ANVWRFPYLC YKNGGGAFLV PYLLFMVIAG MPLFYMELAL GQFNREGAAG VWKICPVLKG VGFTVILISF YVGGFFYNVII AWALHYFFSS FTMDLPWIHC NNTWNSPNCSDAHSSNSSDG LGLNDTFGTT PAAEYFERGV LHLHQSRGID DLGPPRWQLT ACLVLVIVLL YFSLWKGVKT SGKVVWITAT MPYVVL TALL LRGVTLPGAM DGIRAYLSVD FYRLCEASVW IDAATQVCFS LGVGFGLVIA FSSYNKFTNN CYRDAITTS INSLTSFSSG FVVFSLGYM AQKHNVPIRD VATDGPGLIF IYPEAIATL PLSSAWAAVF FLMLLTLGID SAMGGMESVI TGLVDEFQLL HRHRELF TLG IVLATFLLSL FCVTNGGIYV FTLLDHFAAG TSILFGVLIE AIGVAWFYGV QQFSDDIKQM TGQRPNLYWR LCWKLVSPCF LLYVVVVVSI TFRPPHYGAY IFPDWANALG WIIATSSMAM VPIYATYKFC SLPGSFREKL AYAITPEKDR QLVDRGEVRQ FTLRHLLLV Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p>

Product Details

another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: SLC6A3

Alternative Name: Slc6a3 ([SLC6A3 Products](#))

Background: Sodium-dependent dopamine transporter (DA transporter) (DAT) (Solute carrier family 6 member 3),FUNCTION: Mediates sodium- and chloride-dependent transport of dopamine (PubMed:10375632, PubMed:12606774). Also mediates sodium- and chloride-dependent transport of norepinephrine (also known as noradrenaline) (By similarity). Regulator of light-dependent retinal hyaloid vessel regression, downstream of OPN5 signaling (PubMed:30936473). {ECO:0000250|UniProtKB:P23977, ECO:0000269|PubMed:10375632, ECO:0000269|PubMed:12606774, ECO:0000269|PubMed:30936473}.

Molecular Weight: 68.8 kDa

UniProt: [Q61327](#)

Target Details

Pathways: [Dopaminergic Neurogenesis](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months